

(12) **INTERNATIONAL APPLICATION PUBLISHED UNDER
THE PATENT COOPERATION TREATY (PCT)**

(19) World Intellectual Property Organization
International Bureau

[WIPO]

[Bar Code]

(43) International Publication Date
July 28, 2005 (07/28/2005)

PCT

(10) International Publication Number
WO 2005/068848 A1

(51) International Patent Classification⁷: **F15B 1/22 1/24,**
F16L 55/04

(21) International Application No.: PCT/EP2004/014051

(22) International Filing Date:
December 10, 2004 (12/10/2004)

(25) Language in which the international application was
originally filed: German

(26) Language in which the international application is
published: German

(30) Priority Data:
10 2004 002 266.6 January 16, 2004 (01/16/2004) DE

(71) Applicant (for all designated states except the U.S.):
HYDAC TECHNOLOGY GMBH [DE/DE];
Industriegebiet, 66280 Sulzbach/Saar (DE).

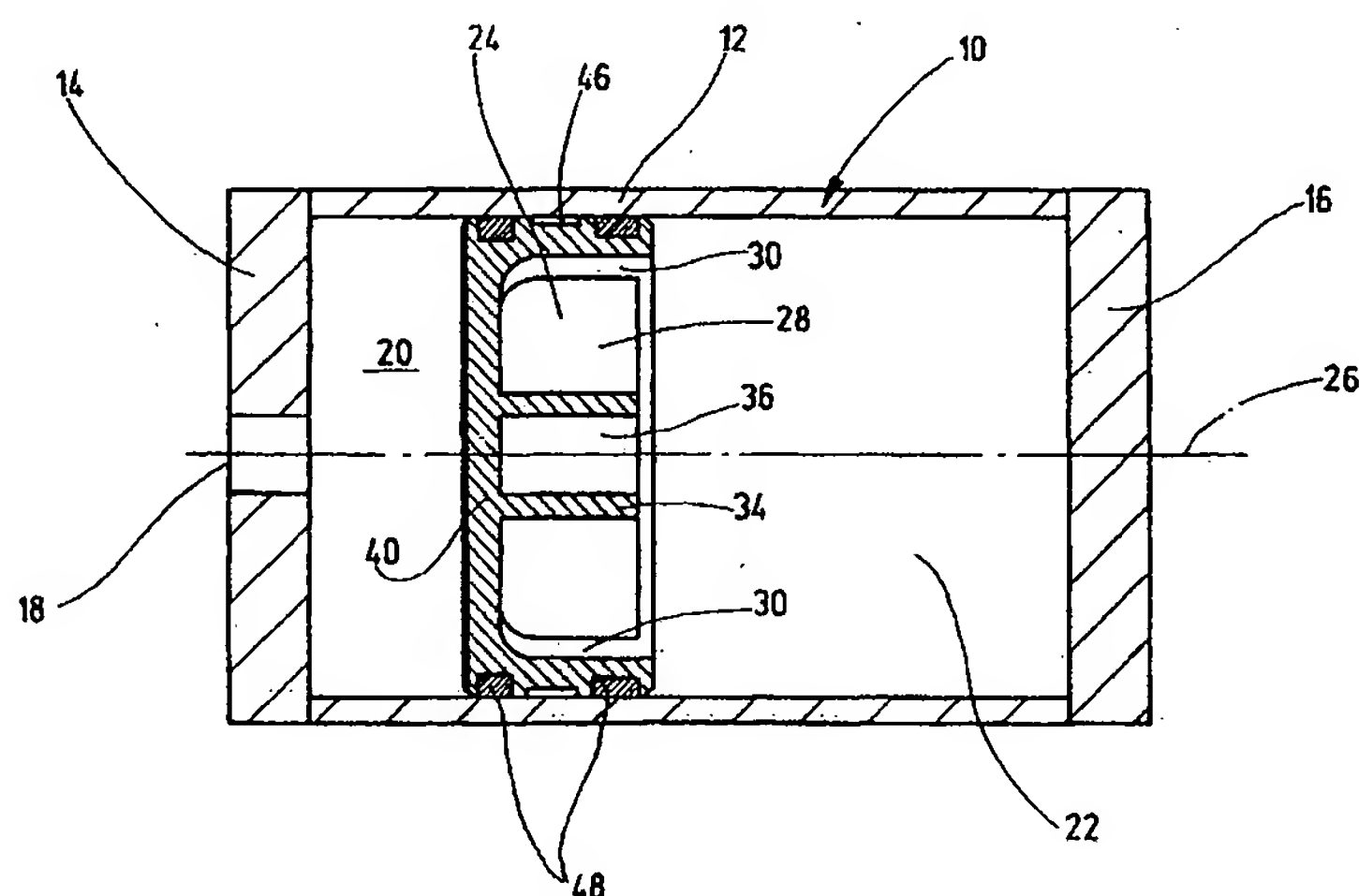
(72) Inventor;
(75) Inventor/Applicant (U.S. only): **WEBER, Norbert**
[DE/DE]; Mozartstrasse 5, 66280 Sulzbach/Saar
(DE).

(74) Representative: **BARTELS AND PARTNER**; Lange
Strasse 51, 70174 Stuttgart (DE).

(81) Designated States (unless indicated otherwise, for
each available type of national protective right): AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW,
BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK,
DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW.

[continued on next page]

(54) Title: PISTON-TYPE ACCUMULATOR



(57) Abstract: The invention relates to a piston-type accumulator comprising a separating piston (24), which can be axially displaced inside an accumulator housing (10) and which separates two spaces from one another inside the accumulator housing (10), particularly a gas side (22) from a liquid side (20) of the accumulator. Due to the fact that the separating piston (24) is predominantly or completely made of a plastic material, it can be provided with a very light weight whereby reducing the overall installation weight of the piston-type accumulator.

[Fortsetzung auf der nächsten Seite]

WO 2005/068848 A1

(84) Designated States (*unless indicated otherwise, for each available type of national protective right*):
ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *With International Search Report.*

Reference is made for an explanation of the two-letter codes and the other abbreviations to the Guidance Notes on Codes and Abbreviations in the front section of each regular PCT Gazette edition.